

**O&M SUMMARY – NOV 2014**  
**NEW YORK AMERICAN WATER GAC TREATMENT PLANT**

<b>Activity</b>	<b>Planned Location/Work Performed By</b>	<b>Frequency</b>	<b>Responsibility</b>
1. Routine monitoring of chlorine residual and pH and chart replacement.	GAC Building/NYAW	Daily	NYAW
2. pH and chlorine checks, cleaning, and calibration.	GAC Building/NYAW	Daily	NYAW
3. Quarterly sampling for bacteria	GAC Building/Navy	Quarterly	Navy
4. Sodium hypochlorite feed pump speed/stroke length adjustment based on routine chlorine residual monitoring.	GAC Building/NYAW	Daily/weekly	NYAW
5. Polyphosphate feed pump speed/stroke length adjustment.	GAC Building/NYAW	Daily/weekly	NYAW
6. Monthly influent and effluent TCE sampling.	Well 3, Well 4, GAC Building/Navy	Monthly	Navy
7A. Walk through inspection of sodium hypochlorite and polyphosphate tank and piping feed systems for evidence of leakage, operation, and residual chemical.	GAC Building/NYAW	During routine pH and chlorine monitoring and pump adjustments.	NYAW
7B. Walk through inspection of sodium hypochlorite and polyphosphate tank and piping feed systems for evidence of leakage, operation, and residual chemical.	GAC Building/Navy	Weekly detailed inspections/Daily remote video monitoring.	Navy
8A. Regular walk through inspection for general facility operation, including piping, GAC flow rates (individual) pressure drop, lighting, heat, ventilation, and sump operation.	GAC Building/NYAW	During routine pH and chlorine monitoring and pump adjustments.	NYAW

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8B. Regular walk through inspection for general facility operation, including piping, GAC flow rates (individual) pressure drop, lighting, heat, ventilation, and sump operation.	GAC Building/Navy	During routine pH and chlorine monitoring and pump adjustments.	NYAW
9. Chemical tank fills, sodium hypochlorite coordinated with existing vendor delivery.	GAC Building/NYAW	As needed, 2 to 4 weeks.	NYAW
10. GAC backwash.	GAC Building/Navy	Annual or less frequent	Navy
11. GAC changeout.	GAC Building/Navy	3 years or longer	Navy
12. Safety Inspections (RPZ, eyewash/showers, and fire extinguishers).	GAC Building/Navy	Annual, or as required by regulation	Navy/NYAW
13. Well Pump Operation.	Well 3 and 4/NYAW	As required.	NYAW
14. Routine Maintenance (including the emergency generation).	GAC Building/Navy	As required.	Navy
15. Emergency Maintenance.	GAC Building/NYAW	As required	Navy
16. Security and Alarms.	Exterior GAC Building/NYAW Interior GAC Building/Navy	Continuous	Navy
Utilities (2015)	Electric – see Sheet	\$2,100 per month	Navy
	Gas – based on meter	\$400 per month, 4, 60,000 BTU, running 2700 hours per year, at \$7.4 per millions BTUs.	Navy
	Water – based on meter, plus filter backwash.	\$3.00 per 1,000 gallons	Navy